

Please amend the claims as follows:

Claim 14. (Three Times Amended)

F1 The method for treating a patient having an osteoclast related bone disorder according to claim 13, wherein the disorder is selected from the group consisting of rheumatoid arthritis, Paget's disease, osteoporosis, osteomalacia, osteoarthritis, and periodontal diseases.

F2 Claim 21. (Amended)

The method for treating a patient having an osteoclast related bone disorder according to claim 20, wherein the bone disorder is postmenopausal osteoporosis.

~~Please add the following new claims:~~

~~Claim 22.~~

F3 A method for treating a patient having an osteoclast related bone disorder characterized by osteolysis; said method comprising administering an effective amount of interferon β or an interferon β inducer to inhibit osteoclast formation.

--Claim 23.

A method for treating a patient having an osteoclast related bone disorder characterized by osteolysis; said method comprising administering a medicament to the patient, wherein the medicament comprises an amount of an active ingredient that is effective in inhibiting osteoclast formation, and wherein the active ingredient is selected from the group consisting of interferon β and an interferon β inducer.--

--Claim 24.

F3
Wk
A method for treating a patient having an osteoclast related bone disorder comprising administering an effective amount of interferon β or an interferon β inducer to inhibit osteoclast formation;

wherein the bone disorder results from a disturbance between the relative balance of bone resorption and bone formation; and

wherein when the bone disorder is tumor related, the tumor-related bone disorder is selected from the group consisting of multiple myeloma, bone metastasis from mammary carcinoma, lung

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Fig 3 cancer, thyroid gland carcinoma, renal cancer, colon cancer,
cancer of digestive tract, and cancer of esophagus. ~~4~~
